

Fig. 1

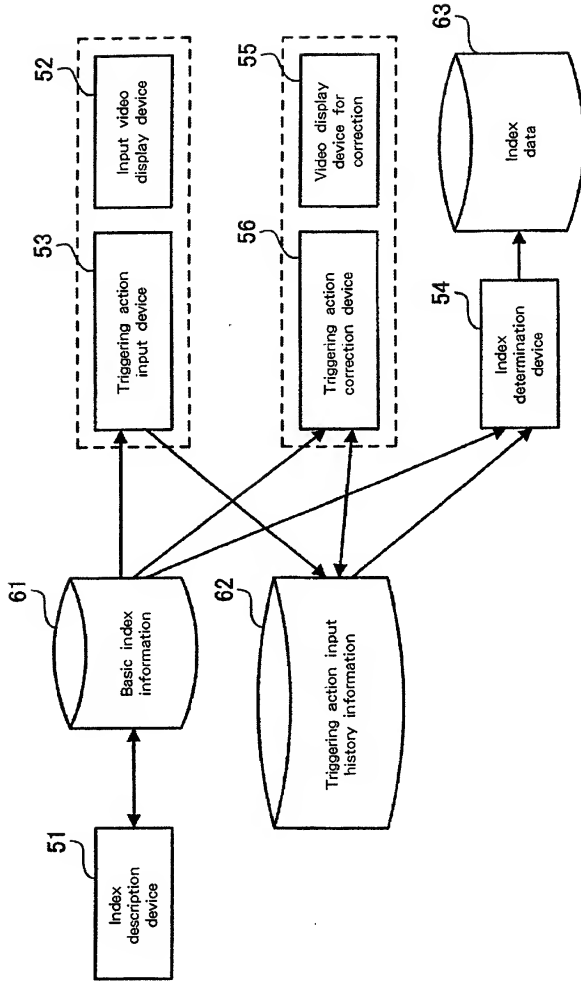


Fig. 2

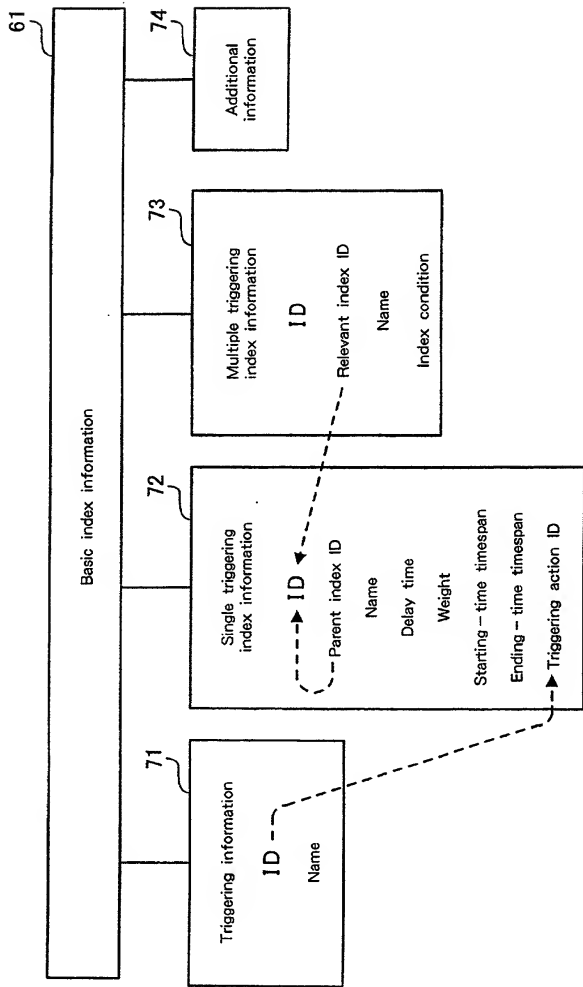
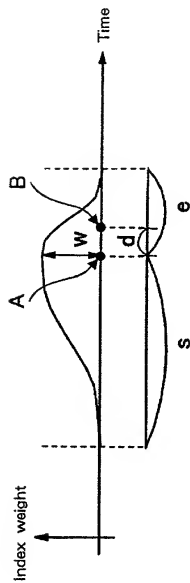


Fig. 3

(a) Case wherein video preceding a triggering action is regarded as important



A: Occurrence of a triggering action
B: Input by an index adding person

d: delay time
s: starting - time timespan
e: ending - time timespan
w: weight

(b) Case wherein video following a triggering action is regarded as important

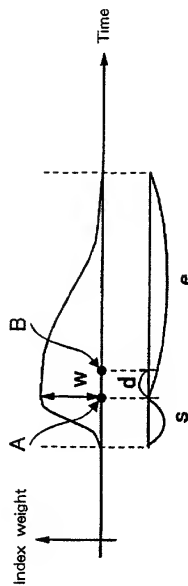


Fig. 4

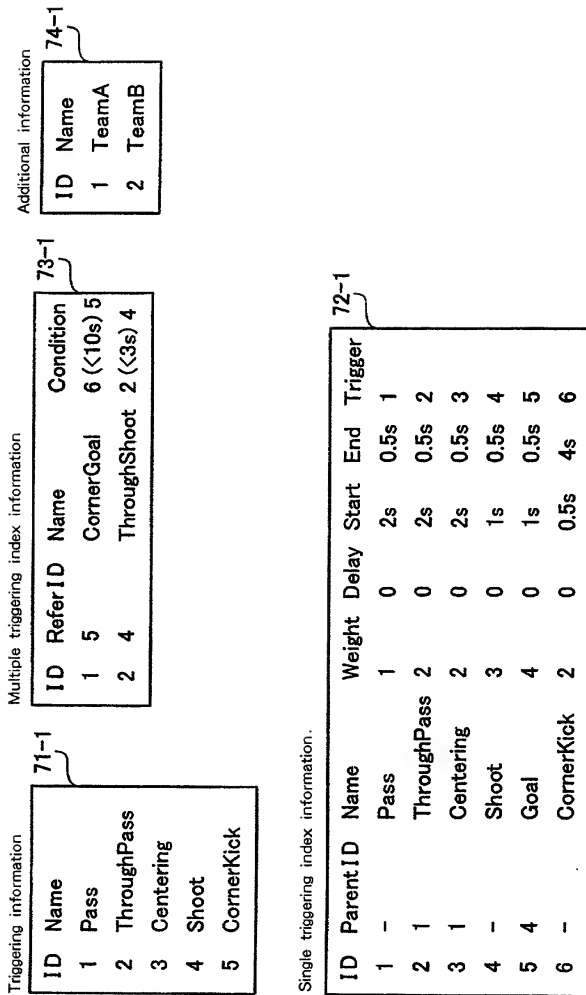


Fig. 5

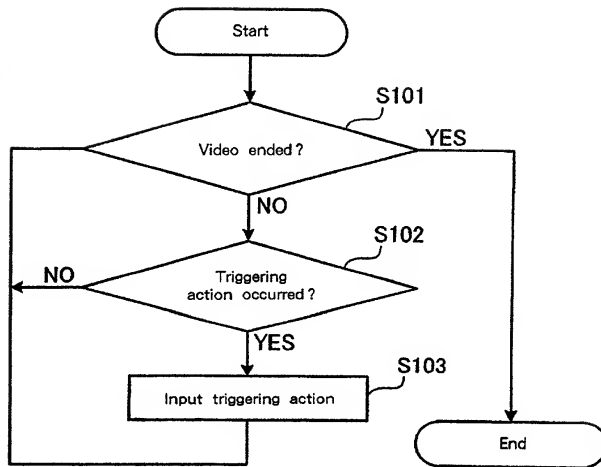


Fig. 6

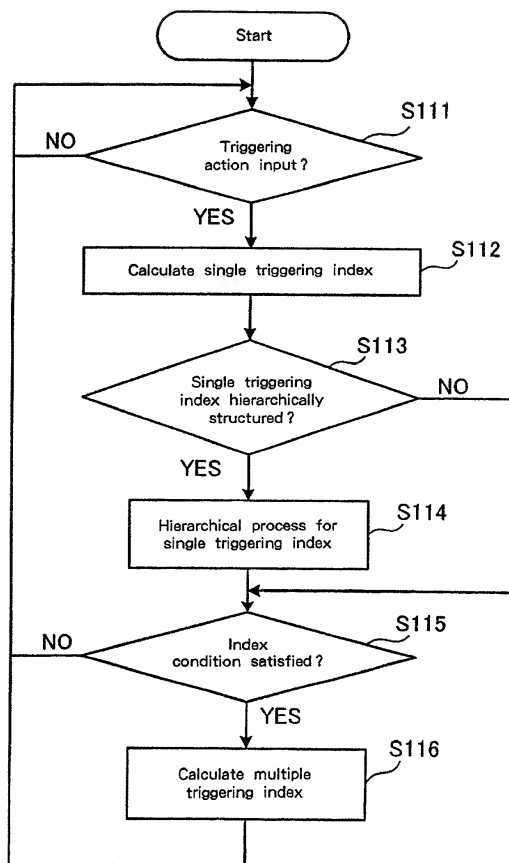


Fig. 7

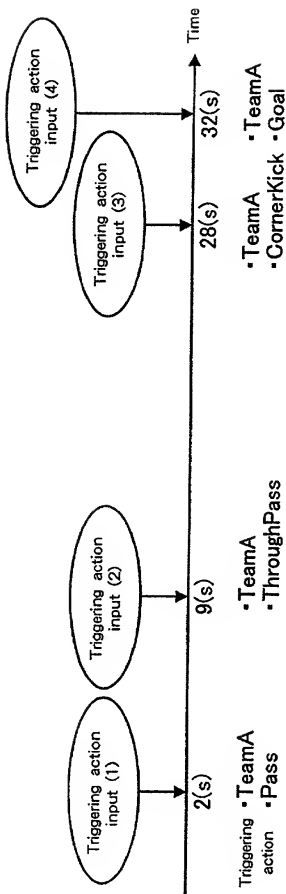


Fig. 8

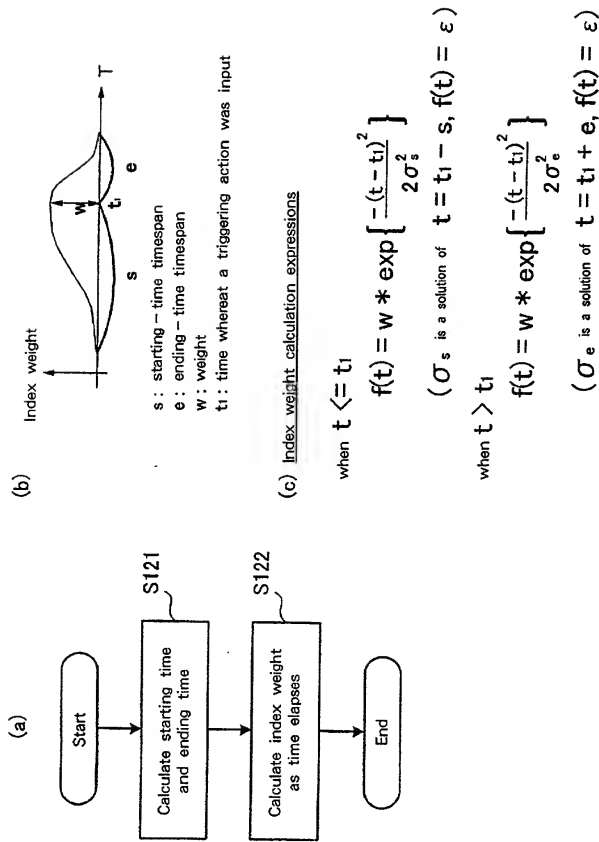


Fig. 9

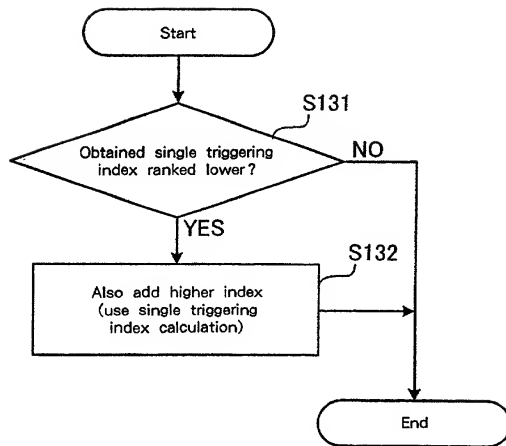
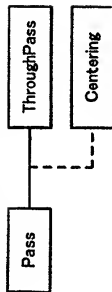


Fig. 10

(a) Index hierarchical structure



(b) Index weight

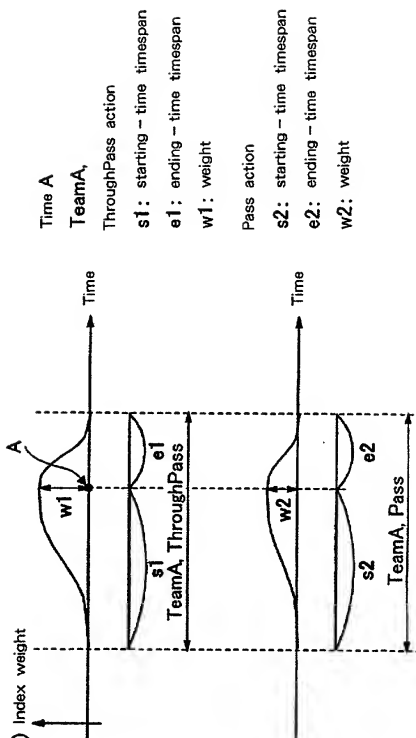
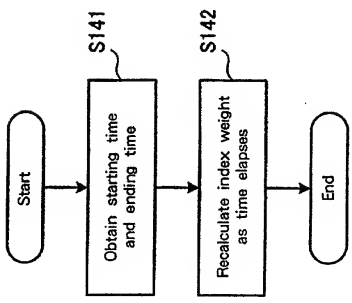


Fig. 11

(a)



(c) Index weight calculation expressions

when $t \leq t_1$

$$f(t) = w1 * \exp\left\{\frac{-(t-t_1)^2}{2\sigma_s^2}\right\}$$

(σ_s is a solution of $t = t_1 - s1, f(t) = \varepsilon$)

when $t_1 < t \leq t_2$

$$f(t) = w1 + (w2 - w1) * \exp\left\{\frac{-(t-t_2)^2}{2\sigma_m^2}\right\}$$

(σ_m is a solution of $t = t_1, f(t) = w1 + \varepsilon$)

when $t > t_2$

$$f(t) = w2 * \exp\left\{\frac{-(t-t_2)^2}{2\sigma_e^2}\right\}$$

(σ_e is a solution of $t = t_2 + e2, f(t) = \varepsilon$)

(b)

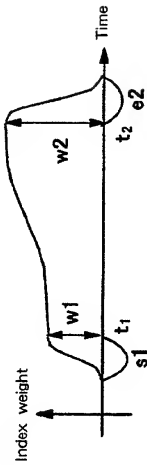


Fig. 12

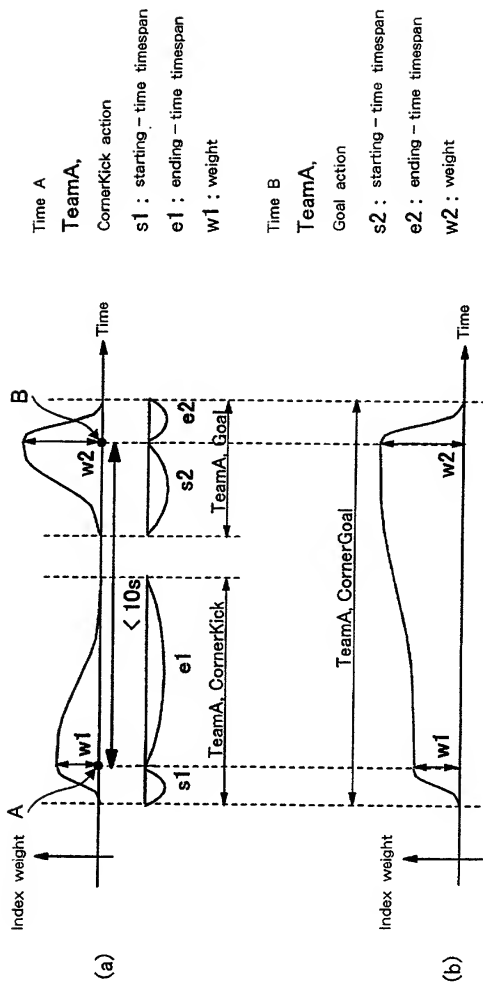


Fig. 13

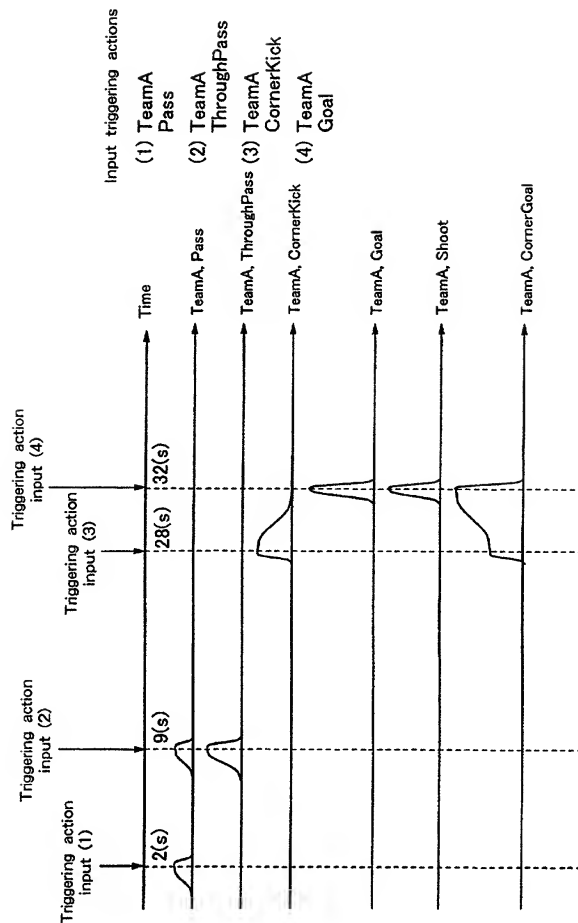


Fig. 14

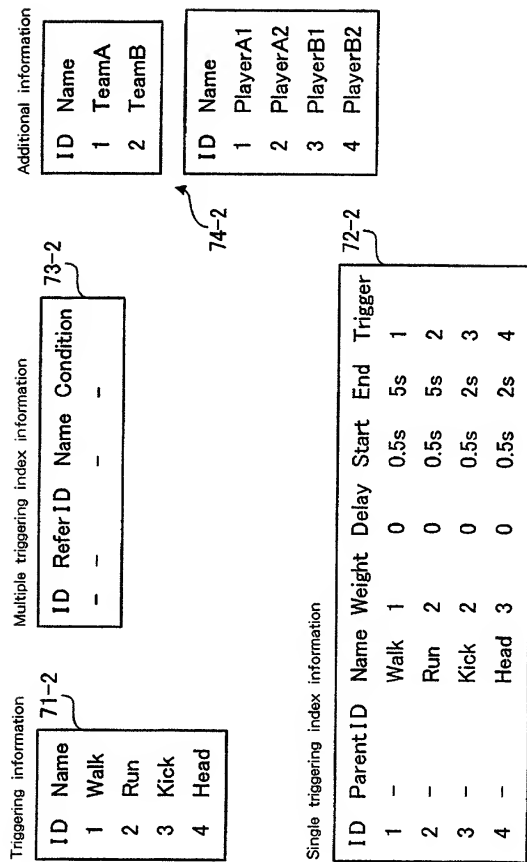


Fig. 15

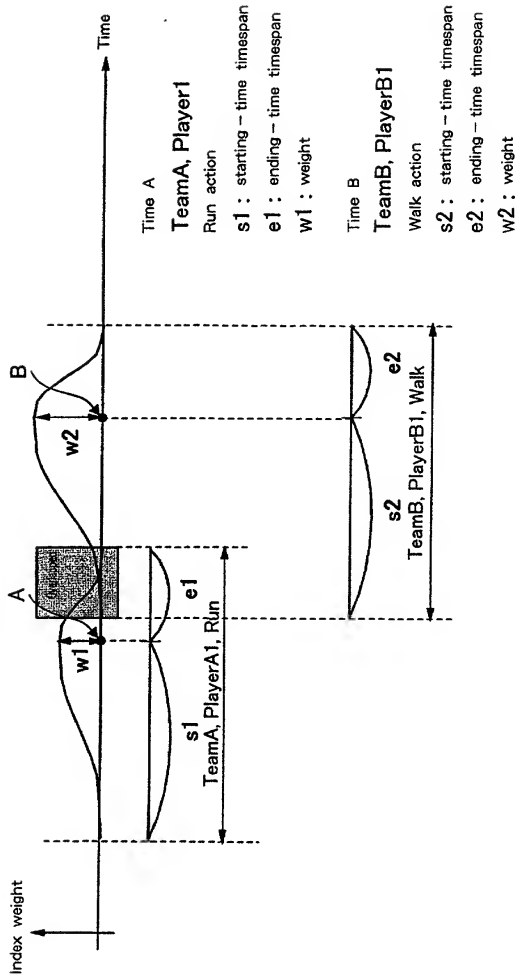


Fig. 16

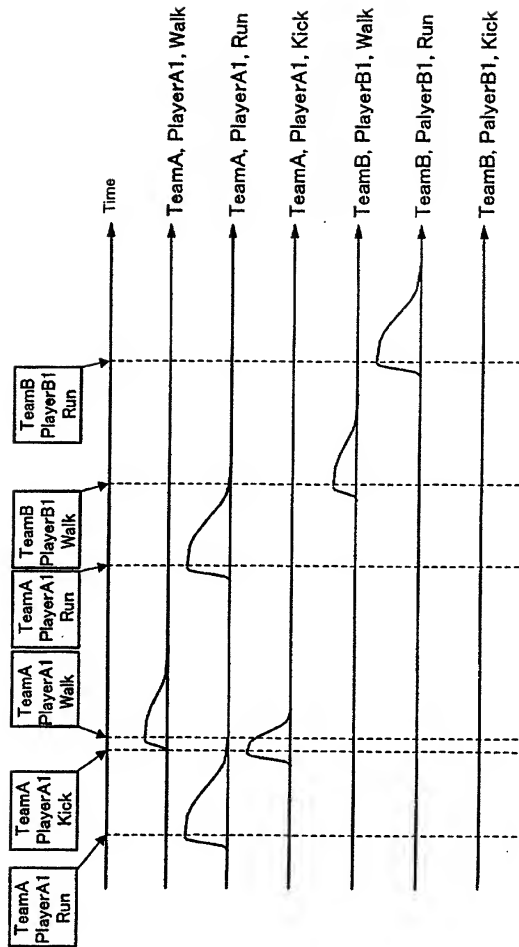
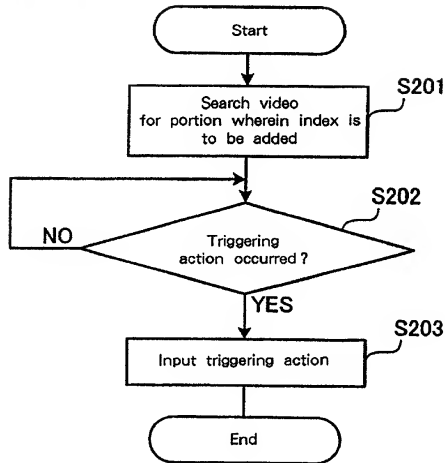


Fig. 17

(a) Index addition



(b) Index deletion

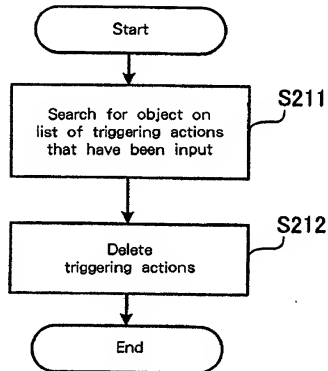


Fig. 18

Index correction

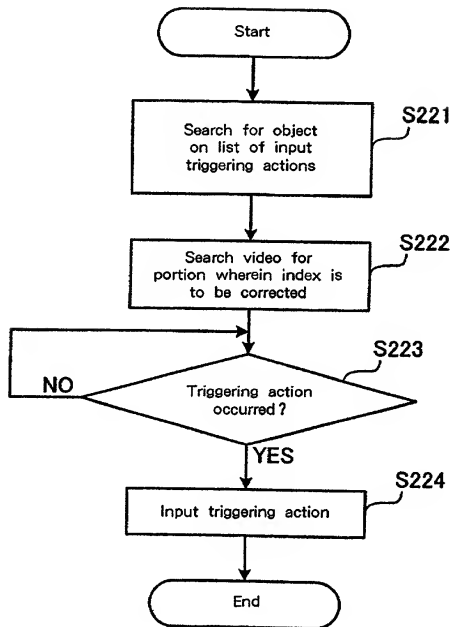


Fig. 19

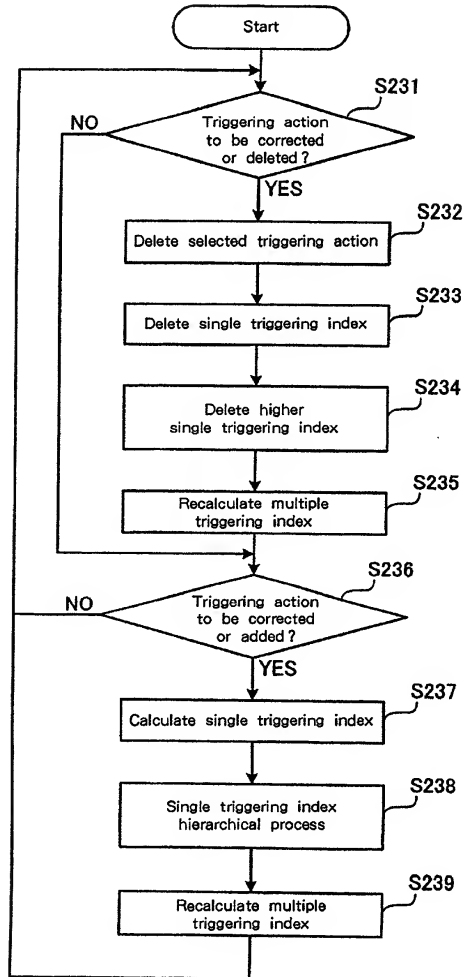


Fig. 20

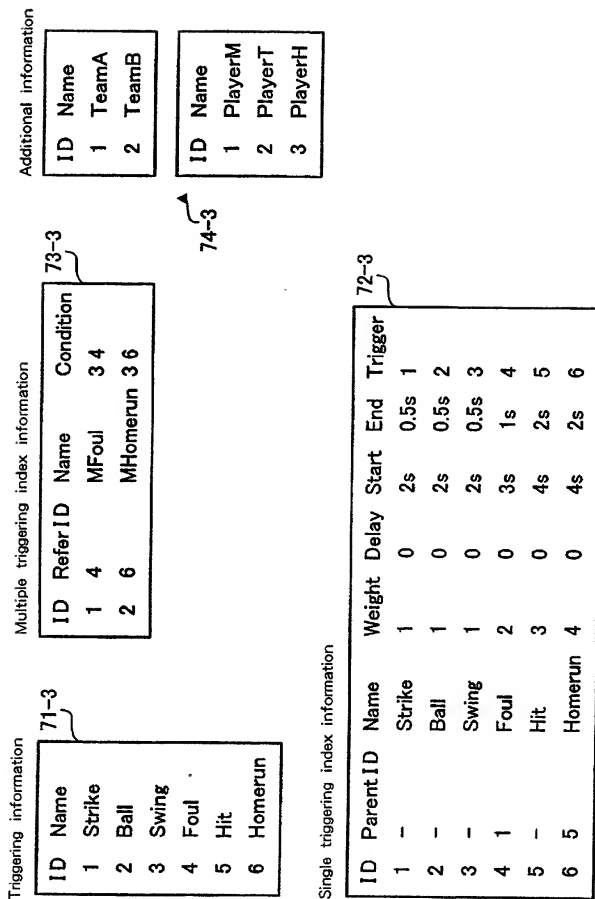
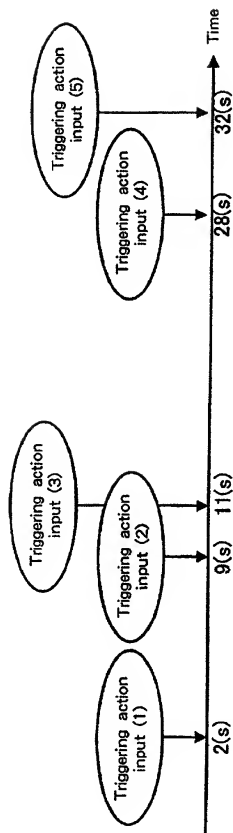


Fig. 21



Input triggering actions

- (1) TeamA,PlayerM
Ball
- (2) TeamA,PlayerM
Swing
- (3) TeamA,PlayerM
Foul
- (4) TeamA,PlayerM
Swing
- (5) TeamA,PlayerM
Homerun

Fig. 22

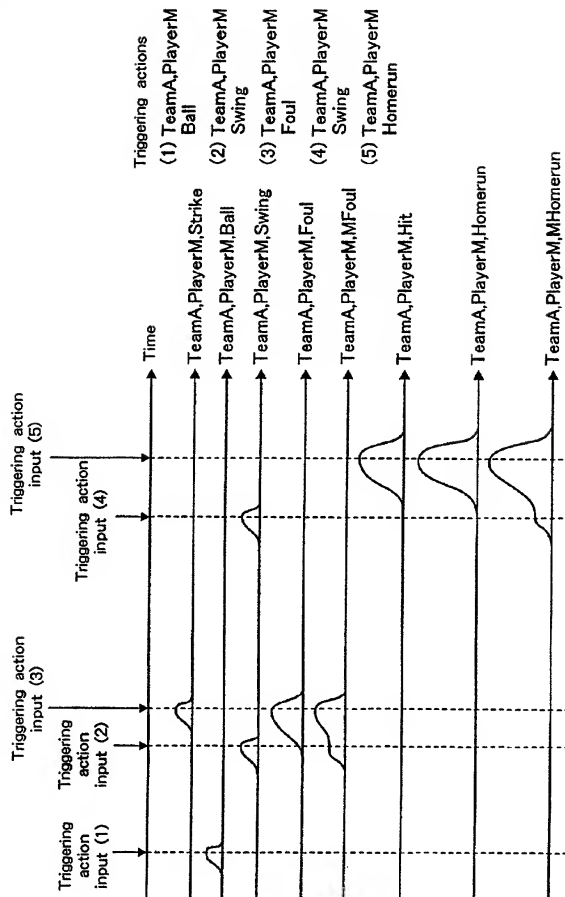


Fig. 23